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Compounds (non-molecular solids)

Alloys

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PHYSICAL STATE

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Crystalline–amorphous interfaces

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Crystalline–glass interfaces

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Single crystal epitaxy

A.W. Fortuin, P.F.A. Alkemade, A.H. Verbruggen, A.J. Steinfort, H. Zandbergen and S. Radelaar, Characterization of single-crystalline Al films grown on Si(111) 366 (1996) 285

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ELECTRICAL AND MAGNETIC BEHAVIOR

Surfaces and/or films

Magnetic surfaces

T.J. Minvielle, R.L. White, M.L. Hildner and R.J. Wilson, Temperature dependence of the epitaxial growth of Pt on basal-plane sapphire 366 (1996) L755

Metallic surfaces

A. Aničić and B. Gumhalter, Assessment of the role of quantal effects in the dynamics of stimulated desorption 366 (1996) 193

Semiconducting surfaces

M. Eckhardt, J. Chrost and D. Fick, Adsorption of Li on Si(111) influenced by the phase transition (7 × 7)↔(1 × 1) 366 (1996) 275

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Metal–metal interfaces

J. Kołaczkiewicz and E. Bauer, Behaviour of Rh, Pd, Ir and Pt on the W(110) face above room temperature 366 (1996) 71

Metal–semiconductor interfaces

X.F. Lin, I. Chizhov, H.A. Mai and R.F. Willis, Interaction of Sn atoms with the intrinsic dangling-bond states of Si(111)-(7 × 7) 366 (1996) 51

K.D. Lee, C.Y. Kim and J.W. Chung, Evidence of substrate metallization by Li adsorption on the Si(001) surface 366 (1996) L709

Semiconductor–electrolyte interfaces

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Semiconductor–insulator interfaces

V.M. Jiménez, J.A. Mejías, J.P. Espinós and A.R. González-Elipe, Interface effects for metal oxide thin films depo i ted on another metal oxide. II. SnO_2 deposited on SiO_2 366 (1996) 545

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Metal–metal nonmagnetic heterostructures

K.W. Jacobsen, P. Stoltze and J.K. Nørskov, A semi-empirical effective medium theory for metals and alloys 366 (1996) 394

Semiconductor–metal oxide thin film structures

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